

[053] Figure 18 is a diagrammatic horizontal cross-sectional view of the fluid flow past and around a baffle, according to the prior art of U.S. Patent No. 4,172,877; [[and]

[054] Figure 19 is a diagrammatic horizontal cross-sectional view of the fluid flow past and around a baffle, according to the invention; and

Figure 20 is a vertical cross-sectional view of a tank or container with a double jacket provided with an impeller and baffles appreciably arranged along a helix relative to the internal wall of the container.

[091] In this case, as seen in Figure 20, the baffles 14 can follow the general orientation of a helix or can be positioned differently whilst their relative positioning continues and follows the basic shape of a helix.

1-20. (CANCELED)

21. (CURRENTLY AMENDED) A baffle secured to a glass-lined internal wall of a container, which is capable of being equipped with a system of circulation of ~~coolant~~ thermal fluid, the baffle being secured to and held at a distance from an adjacent internal wall (12) of the container (1) and relative to the adjacent internal wall (12) and locally with the adjacent internal wall (12) by ~~at least one~~ only a single local connection (15) whose greatest dimension is less than a length of the baffle, and ~~an external surface of the baffle and an external surface of the local connection~~ have only rounded edges and angles, and an external surface of the baffle and an external surface of the local connection are ~~[[both]]~~ glass-lined forming a group of glass-lined surfaces with ~~[[an]]~~ the internal lateral surface of the container, and the single local connection (15) enables the baffle to be substantially insensitive to expansion of a remainder of the container.

22. (CURRENTLY AMENDED) The baffle according to claim 21, wherein ~~the baffle is a solid body~~ one end of each said local connection (15) is welded to the supported baffle (14) and an opposite end of each said local connection (15) is welded to an internal surface of the reaction container and the entire internal surface of the reaction container, including all exposes surfaces of each said local connection (15) and the supported baffle (14) are completely glass lined.

23. (PREVIOUSLY PRESENTED) The baffle according to claim 21, wherein the baffle is a hollow body.

24. (CURRENTLY AMENDED) The baffle according to claim 23, wherein a hollow interior space (16) of the baffle (14) has a connecting fluid path, via the local connection (15), with the fluid of a heating or cooling system of the container for circulation of fluid.

25. (CURRENTLY AMENDED) The baffle according to claim 21, wherein the local connection (15) is ~~essentially located at a vertical middle of~~ connected to the baffle (14) at substantially a middle portion thereof.

26. (PREVIOUSLY PRESENTED) The baffle according to claim 21, wherein the local connection (15) is located near a lower edge or a higher edge of the baffle (14).

27. (CURRENTLY AMENDED) The baffle according to claim 21, wherein a body of the baffle ~~exhibits a generally flat form similar to a board~~ is substantially planar, mainly is substantially vertical and perpendicular to the internal wall (12) of the container (1), ~~[[with]]~~ and only has rounded edges and angles.

28. (PREVIOUSLY PRESENTED) The baffle according to claim 21, wherein a body of the baffle takes the general shape of a "hockey stick".

29. (PREVIOUSLY PRESENTED) The baffle according to claim 21, wherein a body of the baffle is curved, at one or more of a vertically higher or lower part and on a side edge.

30. (PREVIOUSLY PRESENTED) The baffle according to claim 21, wherein the form of a cross section of a body of the baffle is mainly rectangular and has rounded edges.

31. (CANCELED)

32. (PREVIOUSLY PRESENTED) The baffle according to claim 21, wherein a body of the baffle exhibits one of concave or convex sides.

33. (PREVIOUSLY PRESENTED) The baffle according to claim 21, wherein the form of a section presents at least an undulation on one of the sides of the baffle.

34. (PREVIOUSLY PRESENTED) The baffle according to claim 21, wherein a body of the baffle is secured to the internal wall in an appreciably tilted presentation compared to a longitudinal axis of the container.

35. (PREVIOUSLY PRESENTED) The baffle according to claim 21, wherein the baffle is secured in skew relative to the internal wall (12) of the container (1).

36. (PREVIOUSLY PRESENTED) The baffle according to claim 35, wherein an end of a body of the baffle is close to the adjacent internal wall and in that its opposite end is further away from the adjacent internal wall.

37. (CURRENTLY AMENDED) A reaction container ~~intended to be glass-lined;~~ ←  
~~the container~~ comprising at least a baffle secured to a glass-lined internal wall of the ←  
container, which is capable of being equipped with a coolant thermal fluid circulation ←  
system, the baffle being attached or secured to and held at a distance from an adjacent ←  
internal wall (12) of the container (1) and relative to the adjacent internal wall (12) and ←  
locally with the adjacent internal wall (12) only by at least one a single local connection ←  
(15) whose greatest dimension is less than a length of the baffle, an external surface of ←  
the baffle and an external surface of the local connection are glass-lined; ~~the external~~ ←  
~~surface of the local connection being glass-lined during a glass-lining process after the~~ ←  
~~local connection is secured to the internal wall (12), and the external surface of the baffle,~~ ←  
the external surface of the local connection and the internal surface of the container form ←  
an assembled group of glass-lined parts which are assembled together with one another.

38. (CURRENTLY AMENDED) The container according to claim 37, wherein the ←  
container includes several baffles (14) distributed regularly about an interior of the ←  
reaction container, and one end of each said local connection (15) is welded to the ←  
supported baffle (14) and an opposite end of each said local connection (15) is welded ←  
to an internal surface of the reaction container and the entire internal surface of the ←

reaction container, including all exposed surfaces of each said local connection (15) and the supported baffle (14) are completely glass lined.

39. (PREVIOUSLY PRESENTED) The container according to the claim 37, wherein the container includes several baffles (14) laid out appreciably along a theoretical curve relative to the internal wall (12) of the container (1).

40. (PREVIOUSLY PRESENTED) The container according to claim 39, wherein the theoretical curve is a helix.

41. (CANCELED)

42. (NEW) A glass lined reactor with one or more baffles secured to an internal glass lined wall of the reactor which is capable of being equipped with a thermal fluid circulation system,

wherein each baffle is connected to an internal wall (12) of the reactor, at a distance from the internal wall (12), by a local connection (15) whose greatest dimension is shorter than a length of each baffle,

the internal wall is glass lined,

external surfaces of the baffle (15) and the corresponding local connection are glass lined, and

the local connection enables each baffle to be substantially insensitive to expansion of a remainder of the reactor and form a group of glass lined surfaces with the internal surface of the reactor.

43. (NEW) The baffle according to claim 22, wherein the baffle is a hollow body.

44. (NEW) The baffle according to claim 21, wherein a hollow interior space (16) of the baffle (14) has a connecting fluid path, via the local connection (15), with the fluid of a heating or cooling system of the container for circulation of fluid.

45. (NEW) The baffle according to claim 22, wherein a hollow interior space (16) of the baffle (14) has a connecting fluid path, via the local connection (15), with the fluid of a heating or cooling system of the container for circulation of fluid.